

LOG-MLD

IN FIXTURE DALI LIGHTING CONTROL

indoor TITLE 24 TITLE 20   



Features

- Full digital passive infrared for occupancy sensing.
- Zone control.
- Powered from Xitanium SR or DALI power supply.
- Light level / dimming.
- Control up to 4 drivers.
- Energy reporting at fixture level.
- Wireless communication.
- Remotely configurable.
- Daylight harvesting.

Overview

LOG-MLD node, when connected to a Philips Xitanium SR driver or a DALI driver, enables any lighting manufacturer to deliver simple, fully connected fixtures. The small and sleek form factor includes a digital PIR and ambient light sensing for daylight harvesting applications as well as occupancy based ON/OFF control. Easy and seamless integration at the fixture level, LOG-MLD eliminates the need for extra relays and control devices when paired with compatible LED drivers. This reduces the costs and complexity associated with creating an intelligent and individually addressable lighting scheme.

Description

LOG-MLD is designed with a low profile, making it architecturally and aesthetically pleasing. This node easily integrates into lighting fixtures or customized housings. It consists of a compact lens, allowing it to fit into small fixtures. Although configurable for advanced settings, the Mx-OPUS-MLD is designed for plug and play applications. LOGICA's EnOcean to BACnet gateway (LOG-EBOX) allows for seamless integration to any BACnet based Building Automation System. Light levels, occupancy status and data on the energy consumption of each fixture can be incorporated and utilized by the BAS.

Options in operation

Local Control: An on board microprocessor and memory allow for standardized operation at the fixture level, eliminating the reliance on software or network configuration. LOG-MLD can be utilized out of the box with default settings or configured for advanced operation through LOGICACONFIG Software, by leveraging the wireless USB dongle (Mx-USB). Configuration can be done prior to the installation, during installation and even after installation is complete.

Integration to BAS: LOG-MLD has the ability to communicate information through LOGICA's EBOX (LOG-EBOX) and into an existing Building Automation System (BAS). When driven by the Philips Advance Xitanium SR LED driver, the driver provides energy reporting data directly to the sensor unit. This data can then be communicated to the LOG-EBOX and visualized in the BAS. The convergence of lighting and building automation allows for granular information to be communicated to the BAS for improved operational efficiency.

Compatible Devices



SWITCH
(LOG-ESRP)
(476100273)



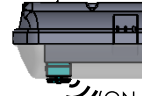
ACCESS POINT
(LOG-AP3)
(476100318)



BACnet GATEWAY
(LOG-EBOX)
(476100316)

Basic Common Application

NODE & SENSOR
(INTEGRATED)



(ON LENS)

SWITCH



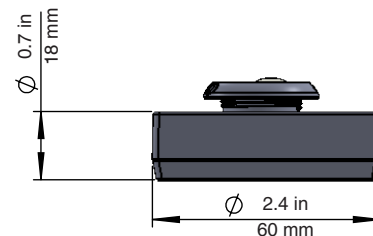
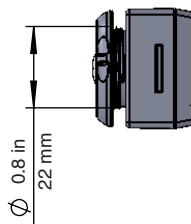
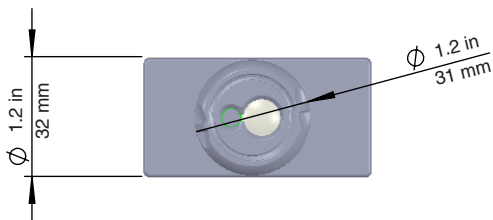
Technical Specifications

Motion Sensing	Digital Passive IR
Ambient Light Sensing	0-94.8 FC (0-1020 LUX), Photo IC type
Detection Distance	16.4 ft (5 m)
Detection Range (Horizontal x Vertical)	94° x 82°
Operating Temperature	32° - 140°F (0° - 60°C) - Indoor use only
Standby Power	< 1W
Min. Power Requirement	16V @24mA
Wireless Range	150 ft (50 ft-150 ft typical) / 45.72 m (15.24 m - 45.72 m)
Start Up & Configuration	LOG-USB (476100295) & LOGICACONFIG
Leads	24" long leads
Default Setting	<ul style="list-style-type: none"> 100% occupied 50% after 30 minutes of un-occupied Off after 60 minutes of un-occupied

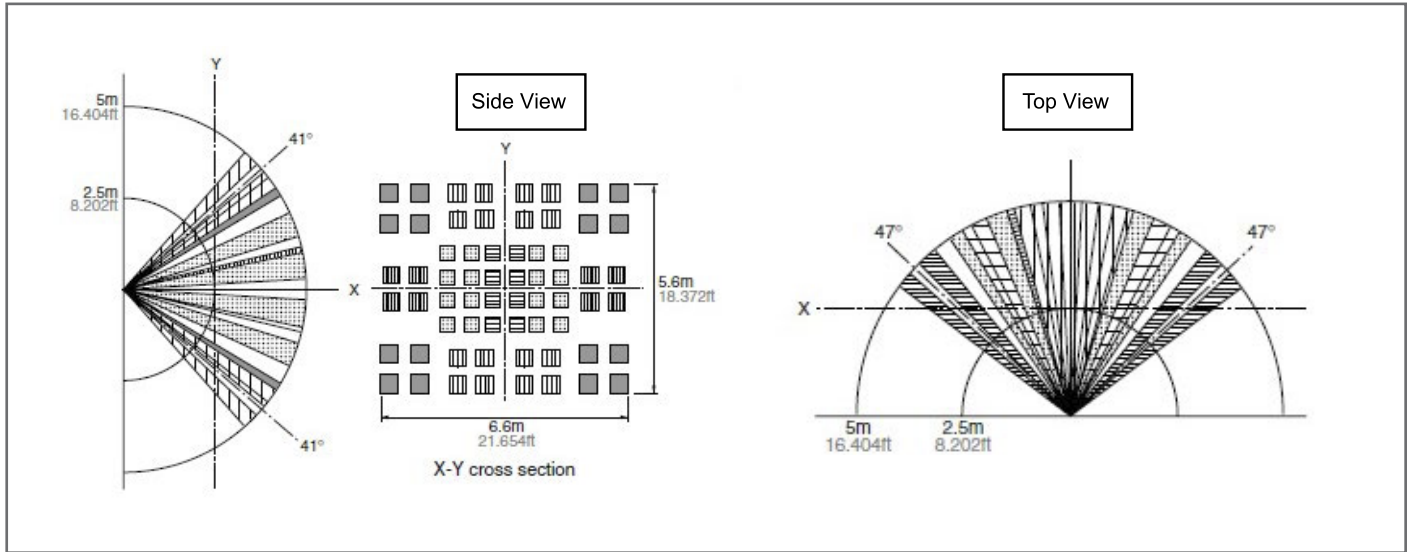
Application Notes

BASIC		ADVANCE	
Zoning	Luminaire level lighting control	Networking	Device monitoring / Remote diagnostic
Addressable	Easy start-up & configuration	Scheduling	Personal control
Scene control		BACnet	Energy monitoring
		Restricted Access	

Dimensions



Detection Performance



Wiring Diagram

